

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042920\
 Data File : VV015793.D
 Acq On : 29 Apr 2020 15:27
 Operator : SY/MD
 Sample : L2421-08
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFS9A9

Quant Time: Apr 30 01:39:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 30 01:35:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	119503	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	118418	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	53777	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37072	5.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.80%
7) Chloroethane-d5	1.58	69	33073	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.00%
11) 1,1-Dichloroethene-d2	2.12	63	55333	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	3.95	46	95489	47.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.24%
24) Chloroform-d	4.38	84	63507	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
26) 1,2-Dichloroethane-d4	5.06	65	41052	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.07	84	137744	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.10	67	43536	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.34	98	121137	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	7.64	79	13803	3.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.00%
46) 2-Hexanone-d5	8.12	63	66306	38.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.86%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	28916	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	43972	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

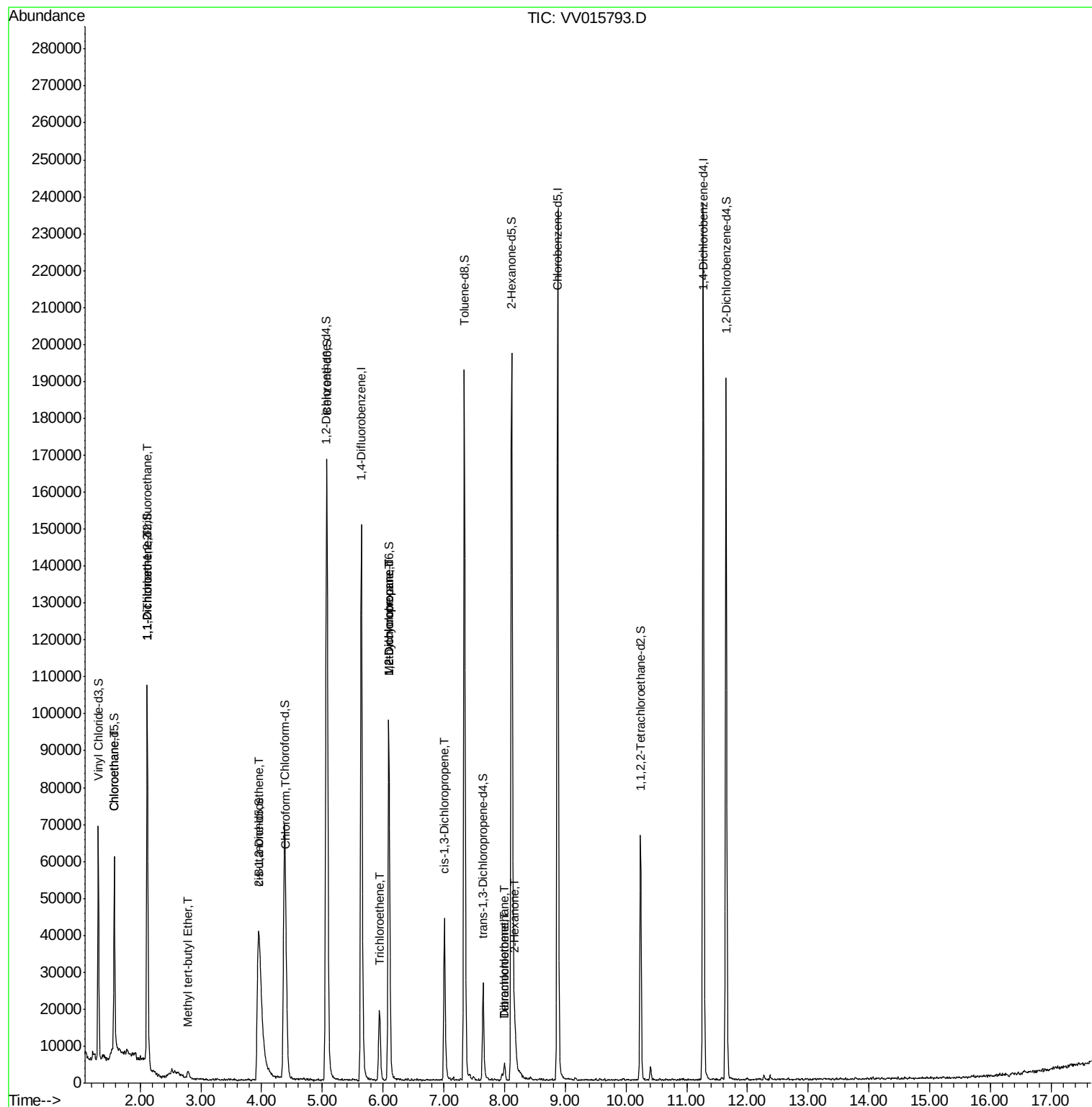
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.59	64	1292	0.208	ug/L #	59
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	584	0.078	ug/L #	22
12) 1,1-Dichloroethene	2.12	96	522	0.075	ug/L #	1
17) Methyl tert-butyl Ether	2.79	73	1579	0.081	ug/L #	92
22) cis-1,2-Dichloroethene	3.95	96	659	0.077	ug/L	96
25) Chloroform	4.41	83	19998	1.232	ug/L	98
34) Trichloroethene	5.94	95	6494	0.695	ug/L	94
35) Methylcyclohexane	6.09	83	11029	0.769	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	5534	0.644	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1417	0.118	ug/L	87
47) Tetrachloroethene	8.00	164	941	0.140	ug/L	92
48) 2-Hexanone	8.17	43	7026	1.765	ug/L #	97
49) Dibromochloromethane	8.00	129	916	0.151	ug/L #	12

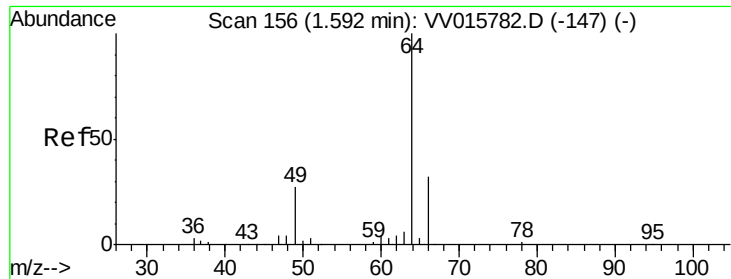
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.208 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VV015793.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_V

ClientSampleId :

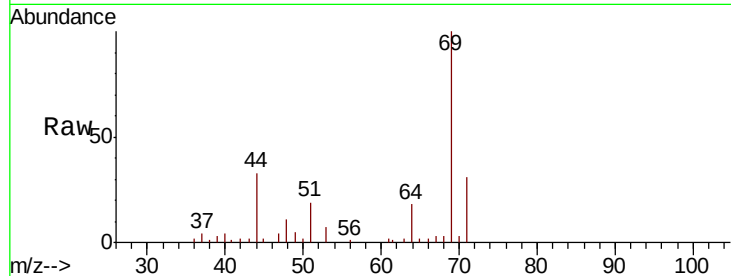
BFSA9

Tot Ion: 64 Resp: 1292

Ion Ratio Lower Upper

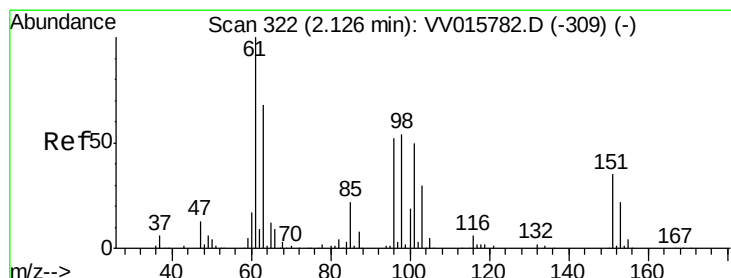
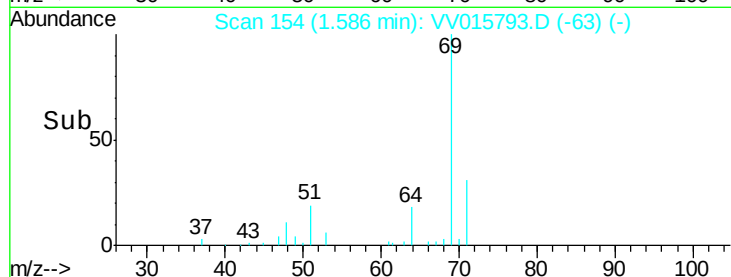
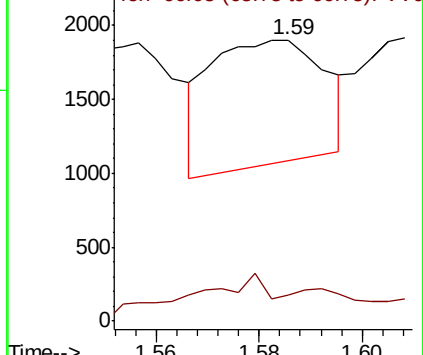
64 100

66 9.2 22.3 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.078 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV015793.D

Acq: 29 Apr 2020 15:27

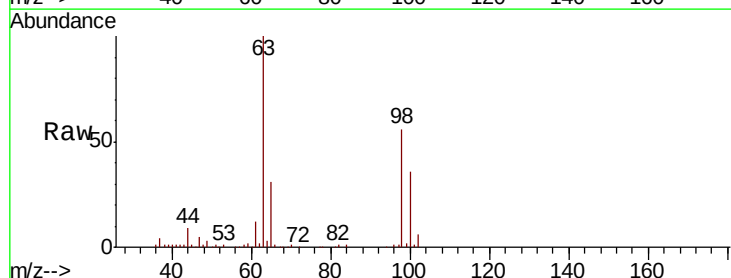
Tgt Ion: 101 Resp: 584

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

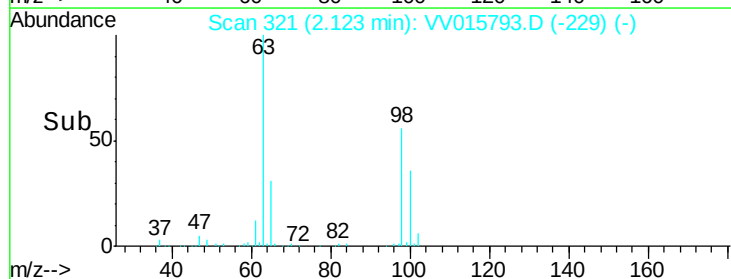
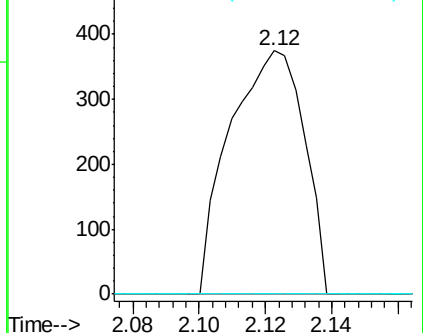
151 0.0 55.2 82.8#

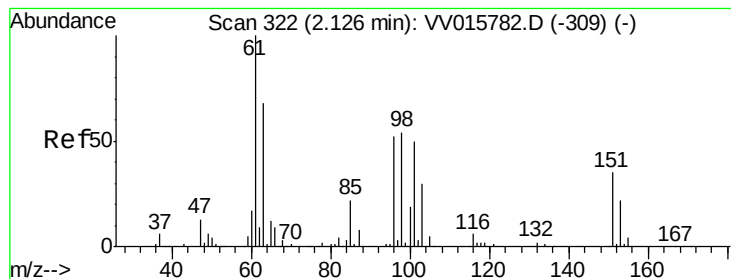


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.075 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV015793.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_V

ClientSampleId :

BFSA9

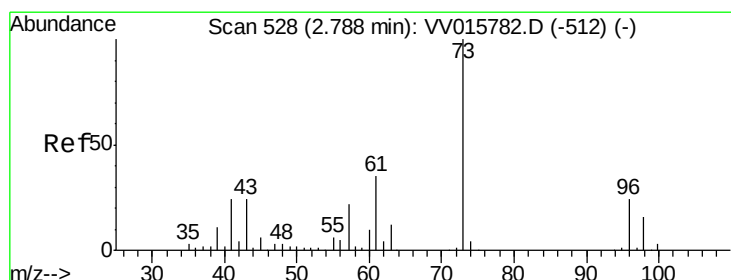
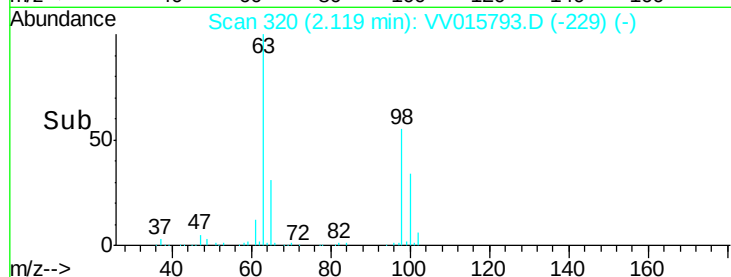
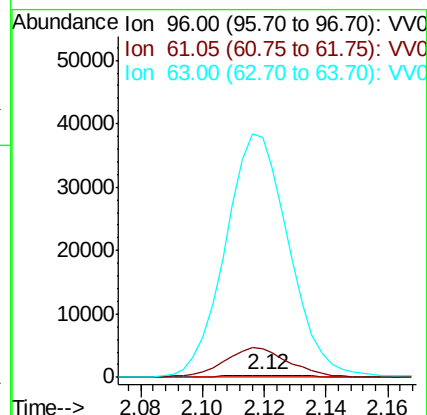
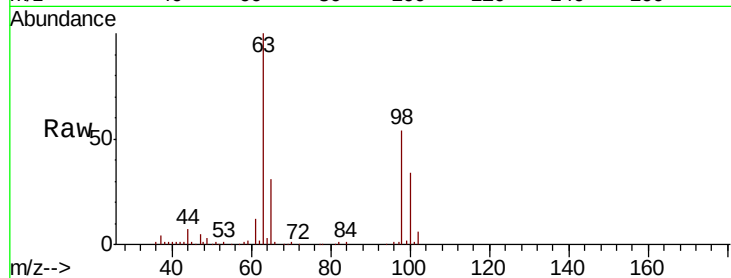
Tot Ion: 96 Resp: 522

Ion Ratio Lower Upper

96 100

61 1291.9 130.1 241.7#

63 10620.2 91.4 169.8#



#17

Methyl tert-butyl Ether

Concen: 0.081 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV015793.D

Acq: 29 Apr 2020 15:27

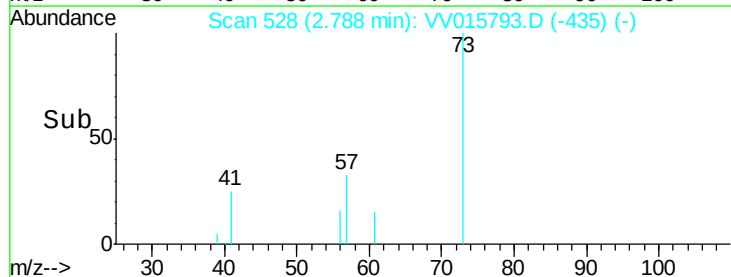
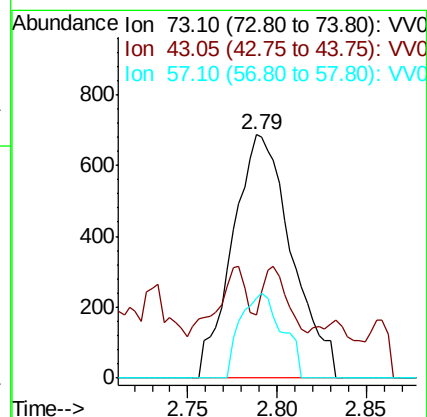
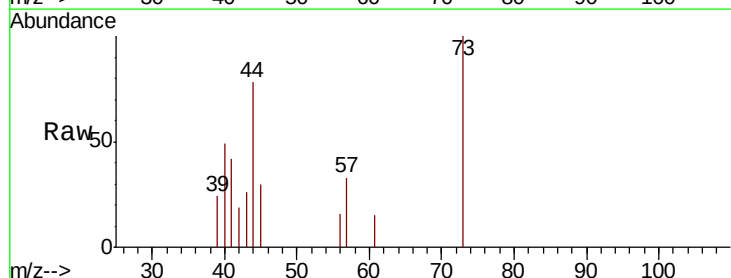
Tgt Ion: 73 Resp: 1579

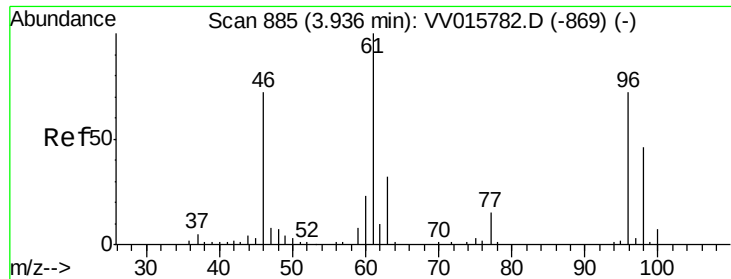
Ion Ratio Lower Upper

73 100

43 19.7 20.1 30.1#

57 24.6 17.8 26.8

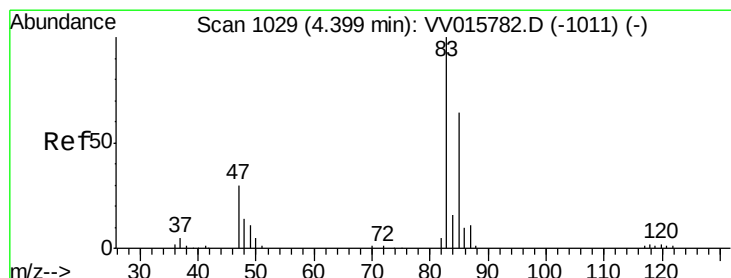
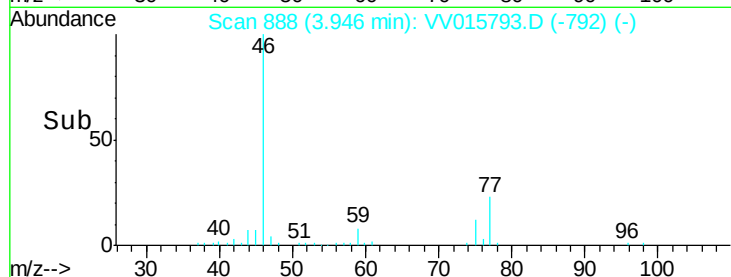
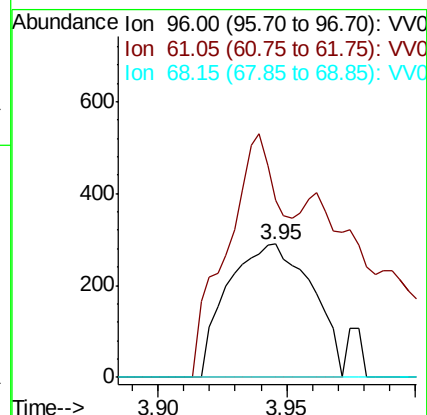
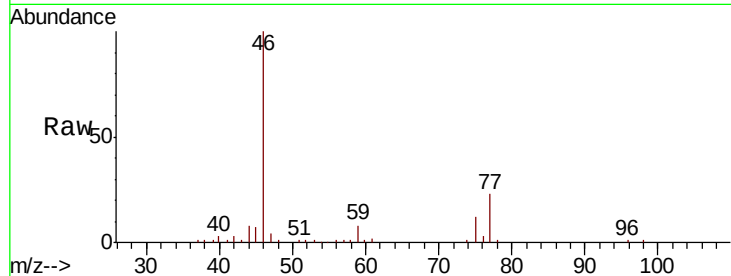




#22
 cis-1,2-Dichloroethene
 Concen: 0.077 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV015793.D
 Acq: 29 Apr 2020 15:27

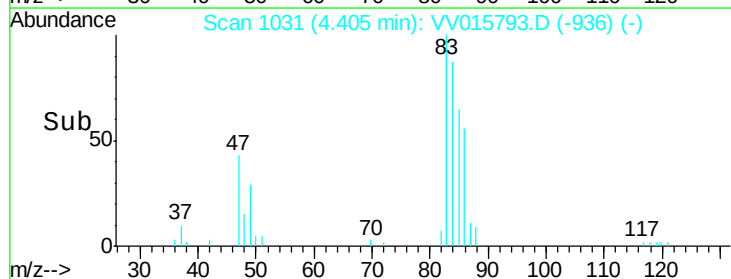
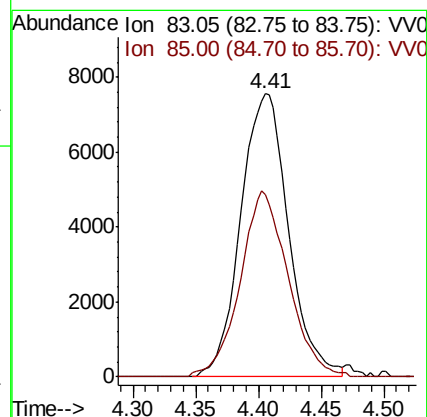
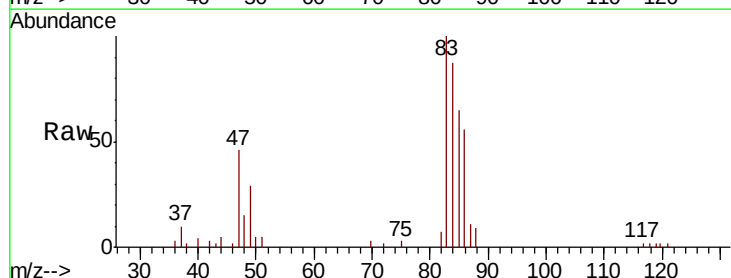
Instrument :
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 BFS9A9

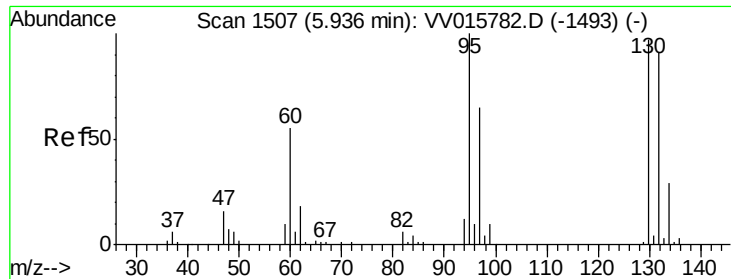
Tot Ion: 96 Resp: 659
 Ion Ratio Lower Upper
 96 100
 61 133.1 96.4 179.0
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.232 ug/L
 RT: 4.41 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VV015793.D
 Acq: 29 Apr 2020 15:27

Tgt Ion: 83 Resp: 19998
 Ion Ratio Lower Upper
 83 100
 85 64.5 46.1 85.5





#34

Trichloroethene

Concen: 0.695 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV015793.D

Acq: 29 Apr 2020 15:27

Instrument :

MSVOA_V

ClientSampleId :

BFSA9

Tot Ion: 95 Resp: 6494

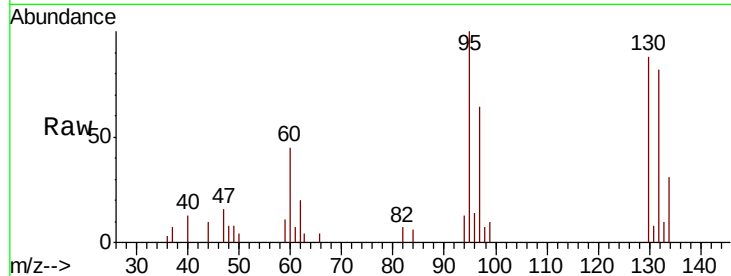
Ion Ratio Lower Upper

95 100

97 63.8 44.7 82.9

132 82.1 65.2 121.0

130 88.1 65.0 120.6



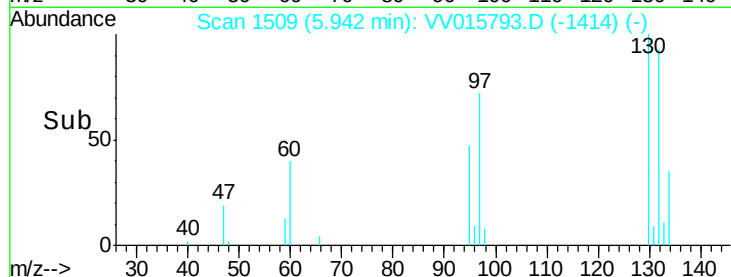
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

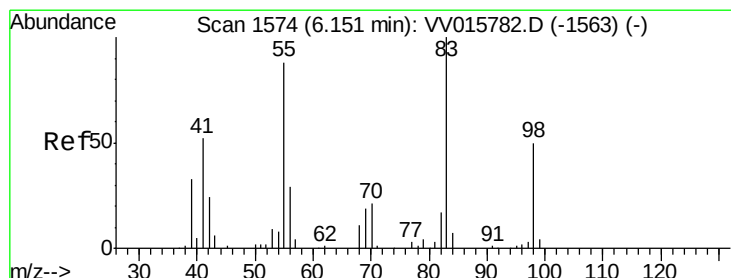
Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Time-->



Time-->



#35

Methylcyclohexane

Concen: 0.769 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV015793.D

Acq: 29 Apr 2020 15:27

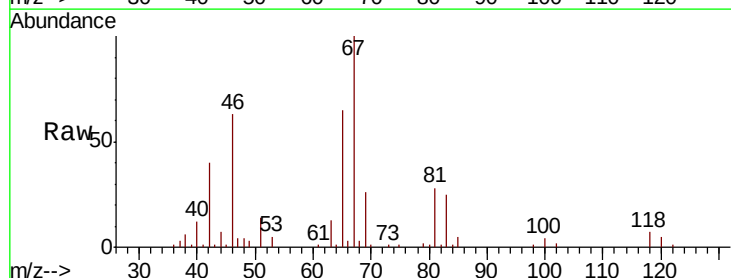
Tgt Ion: 83 Resp: 11029

Ion Ratio Lower Upper

83 100

55 0.4 66.6 99.8#

98 1.2 39.5 59.3#

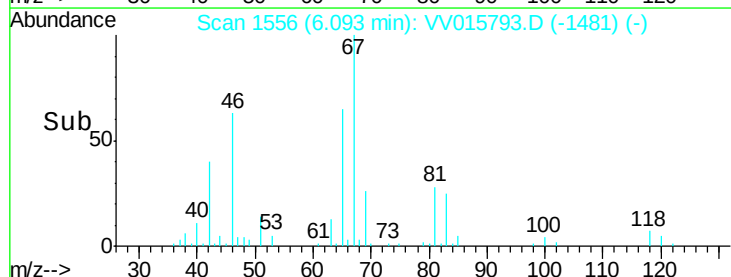


Abundance Ion 83.15 (82.85 to 83.85): VV0

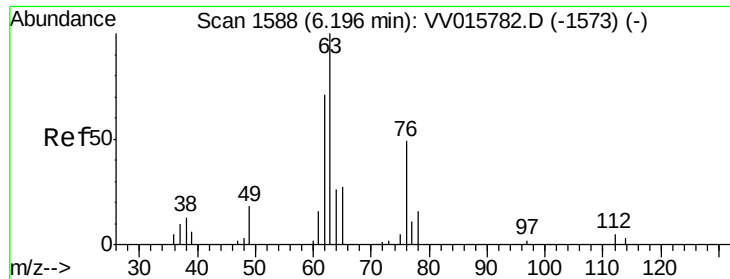
Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

Time-->



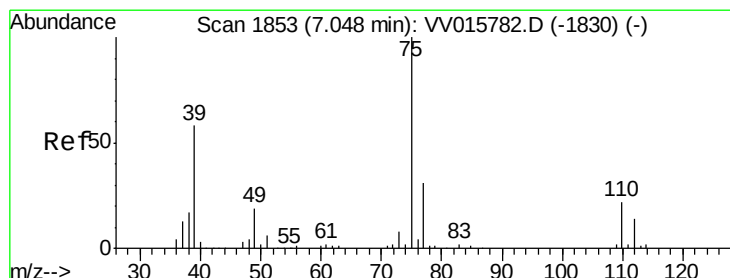
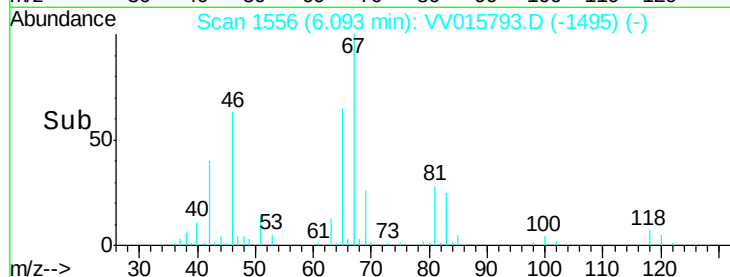
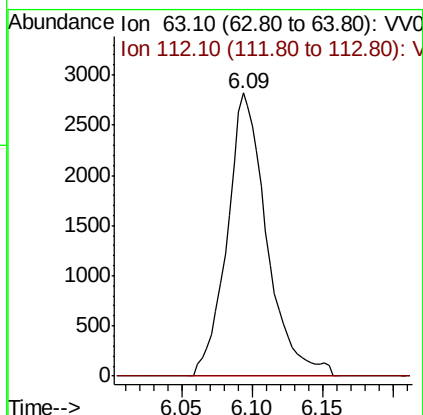
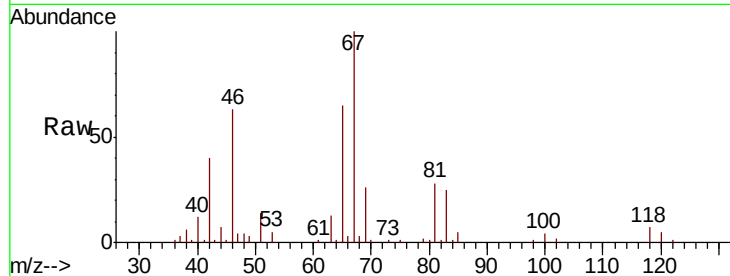
Time-->



#37
 1,2-Dichloropropane
 Concen: 0.644 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV015793.D
 Acq: 29 Apr 2020 15:27

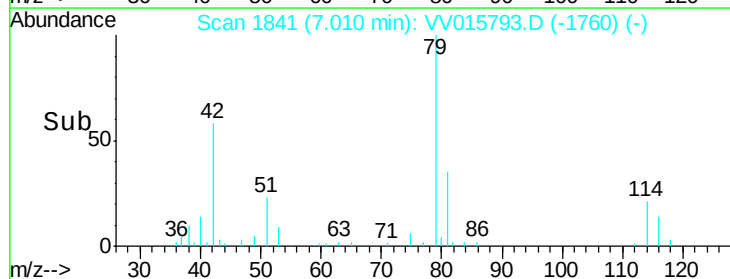
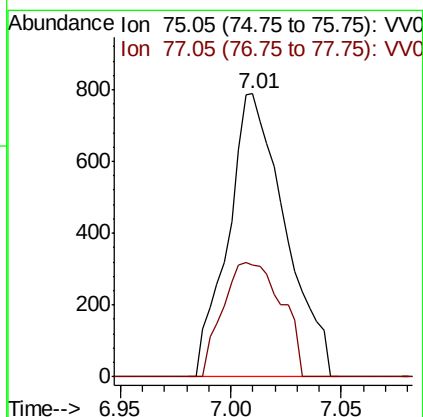
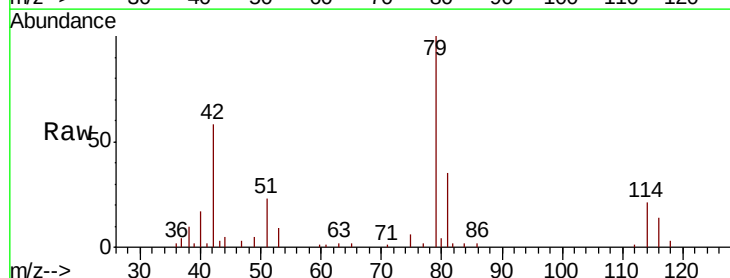
Instrument :
 MSVOA_V
 ClientSampleId :
 BFS9

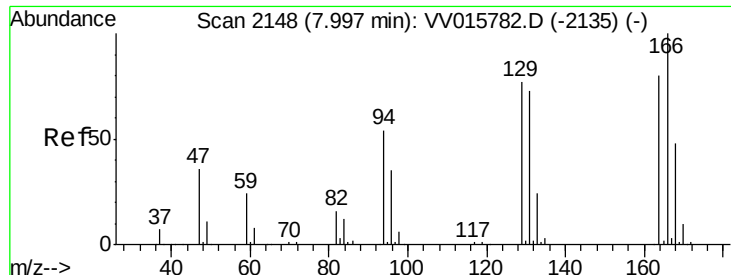
Tot Ion: 63 Resp: 5534
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.118 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV015793.D
 Acq: 29 Apr 2020 15:27

Tgt Ion: 75 Resp: 1417
 Ion Ratio Lower Upper
 75 100
 77 39.3 22.3 41.5

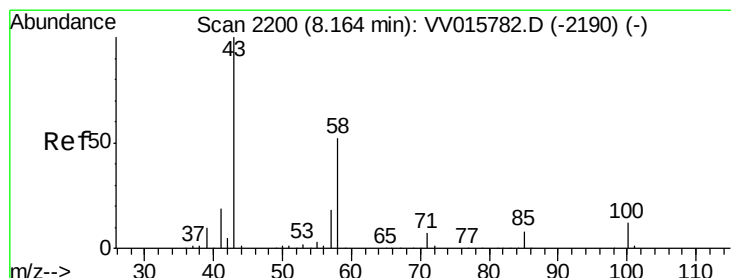
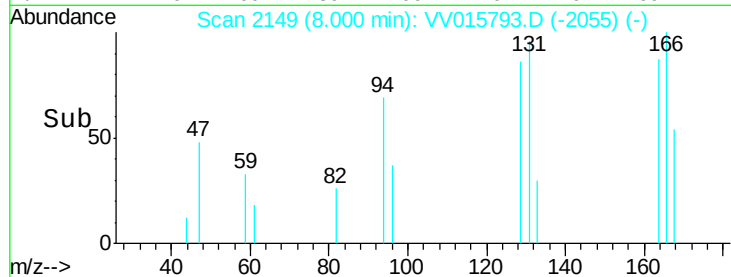
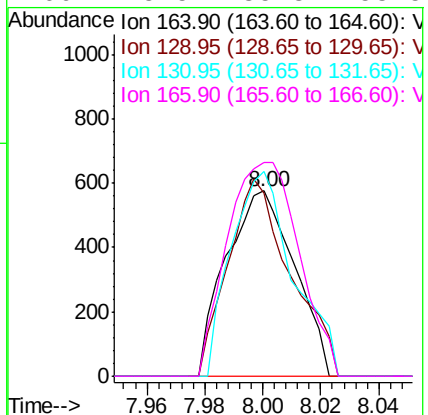
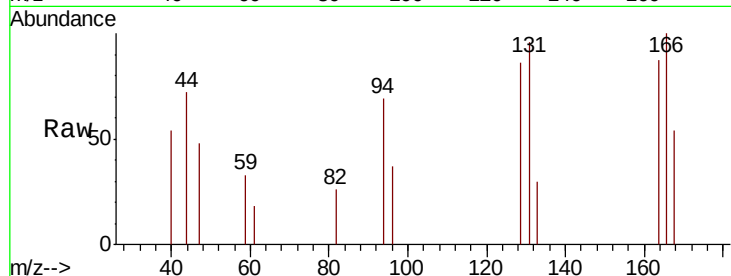




#47
Tetrachloroethene
Concen: 0.140 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV015793.D
Acq: 29 Apr 2020 15:27

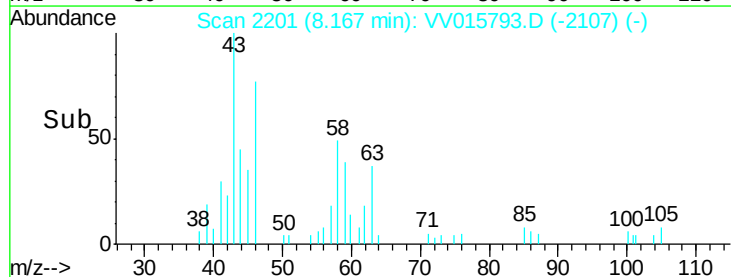
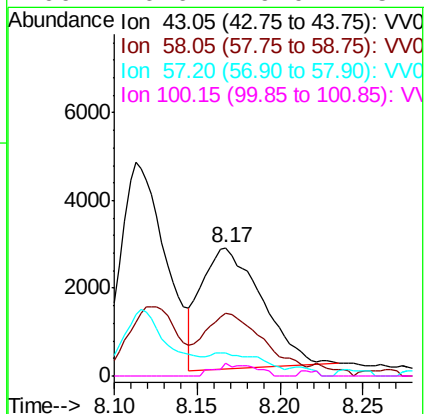
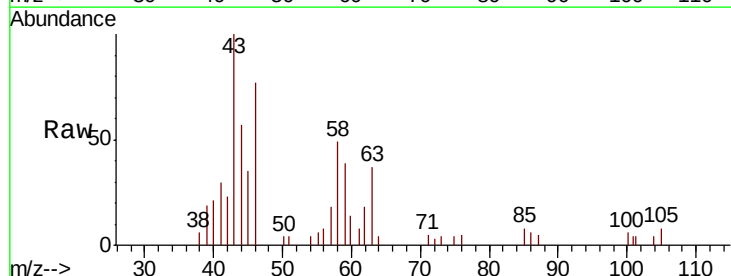
Instrument :
MSVOA_V
ClientSampleId :
BFS9

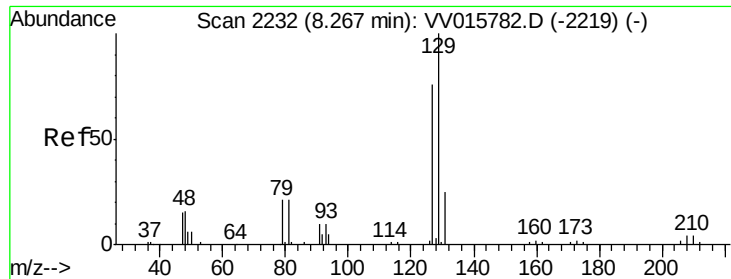
Tot Ion:164 Resp: 941
Ion Ratio Lower Upper
164 100
129 98.8 66.7 123.9
131 110.8 66.6 123.6
166 115.5 85.3 158.5



#48
2-Hexanone
Concen: 1.765 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VV015793.D
Acq: 29 Apr 2020 15:27

Tgt Ion: 43 Resp: 7026
Ion Ratio Lower Upper
43 100
58 52.1 41.1 61.7
57 16.5 15.0 22.4
100 6.6 9.0 13.4#





#49

Dibromochloromethane

Concen: 0.151 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV015793.D

Acq: 29 Apr 2020 15:27

Instrument :
MSVOA_V
ClientSampleId :
BFS9

Tot Ion:129 Resp: 916

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.8#

